

ABSTRACT

The present invention provides an apparatus for use in completing a subterranean zone penetrated by a wellbore. One aspect of the invention comprises a housing member with a longitudinal bore and a valve member located within the housing member that is movable between open and closed positions. A sliding sleeve having a longitudinal bore is disposed within the housing member and can move between an upper position and a lower position. Attached to the sliding sleeve is a seating element where the valve member can seat. When the sliding sleeve is in the lower position, the valve member is held in the open position and communication is established between the longitudinal bore of the housing above and below the valve member. When the sliding sleeve is in the upper position, the valve member is held in the closed position and communication between the longitudinal bore of the housing above and below the valve member is restricted.